ANALYTICAL ABSTRACTS

PUBLISHED BY

The Society for Analytical Chemistry

INDEX TO VOLUME 13

1966

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PUBLISHED BY

The Society for Analytical Chemistry

A MONTHLY JOURNAL DEALING
WITH ALL BRANCHES OF
ANALYTICAL CHEMISTRY

VOL. 13

1966

PUBLISHED FOR THE SOCIETY BY
W. HEFFER & SONS, LTD.
4, PETTY CURY, CAMBRIDGE, ENGLAND

ANALYTICAL ABSTRACTS

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ERRATA

Some errata subsequently published in the journals abstracted are included in the following list. When the initials of given names in the Author Index and in the abstracts do not agree, the Index should be assumed to be correct.

VOL. 5, 1958

Abstract No.	*Line*	
1419	8	*for* 3 μA. *read* 3 mA.

VOL. 7, 1960

Index, p. cxlix, column 1, line 25, *for* **7-(3-aminophenylazo)chromotropic acid,** *read* **3-(3-aminophenylazo)chromotropic acid,**

Index, p. clxxxi, column 2, line 22, *for* **7-(2-hydroxy-5-sulphophenylazo)chromotropic acid,** *read* **3-(2-hydroxy-5-sulphophenylazo)chromotropic acid,**

Abstract No.	*Line*	
890	7, 10	*for* 7 *read* 3

VOL. 9, 1962

Index, p. lxviii, entry for **Kurzawa, Z.,** line 5, *for* 2371; *read* 2871;

VOL. 10, 1963

Index, p. lxix, column 1, line 50, *for* — and **Vitalina, M. D.** *read* **Klimova, V. A.,** and **Vitalina, M. D.**

Abstract No.	*Line*	
2920	4	for *J. Amer. Chem. Soc.*, read *J. Amer. Oil Chem. Soc.*,

VOL. 11, 1964

Index, p. lviii, *delete the entry for* **Hurcules, D. M.**
Index, p. xxxvi, column 1, line 29, *for* **Dzhiyanbaeva, P. Kh.** *read* **Dzhiyanbaeva, R. Kh.**
Index, p. cxxxii, column 2, line 72, *for* **Dzhiyanbaeva, P. Kh.** *read* **Dzhiyanbaeva, R. Kh.**
Index, p. clxxviii, column 2, entry for **Dust,** *for* 2002 *read* 2003

Abstract No.	*Line*	
11	1	*delete complete line*
11	3	*after* **titration.** *insert* **XI. Iodine - sodium thiosulphate titration.**
85	2	*for* **2,2′-bipyridyl.** *read* **2,3′-bipyridyl.**
85	5	*for* 2,2′-Bipyridyl *read* 2,3′-Bipyridyl
85	23, 24	*for* 2,2′-bipyridyl *read* 2,3′-bipyridyl

VOL. 12, 1965

Index, p. xxxv, entry for **Davis, V. E., Huff, J. A.,** and **Brown, H.,** line 2, *for* blood *read* tissue
Index, p. xxxvii, column 1, *delete the entry for* **Demetrescu, E., Grinţescu, P., Florea, V.,** and **Ivan, C.**
Index, p. xli, column 1, *replace the entry for* **Dumitrescu, E.,** *by*
Dumitrescu, E., Grinţescu, P., Florea, V., and **Ivan, C.** Determination of amidopyrine, amethocaine and boric acid in Otalgin, 3006.
— See also **Beral, H.,** 1379, 4812.
Index, p. xliii, column 2, line 25, *for* **Curruthers, A.,** *read* **Carruthers, A.**
Index, p. lxxxii, entry for **Klemm, L. H.,** and **Airee, S. K.,** line 3, *for* 1-compounds *read* compounds
Index, p. cciii, column 1, entry for **Chromatography, gas,** *delete lines* 3 *and* 13
Index, p. ccv, column 1, entry for **Chromatography, paper**—*continued,* line 9, *this line should read* comparison of methods for, 995.
Index, p. ccx, column 2, *delete the entry for* **Cyanoguanidine,**
Index, p. ccxii, column 2, entry for **Dicofol,** lines 1 and 2, *these lines should read* detection, thin-layer chrom., 6202.
Index, p. ccxii, column 2, entry for **Dicyandiamide,** *insert* detmn. in poly(vinyl chloride), paper chrom., 5270. *below* in presence of cyanamide, spot test for, 3961.
Index, p. ccxvi, column 2, line 1, *delete* agar
Index, p. ccxxv, column 2, entry for **HMX,** for *Octahydro*-1,3,5,7-*tetranitro*-1,2,4,5-*tetrazocine* read *Octahydro*-1,3,5,7-*tetranitro*-1,3,5,7-*tetrazocine*
Index, p. ccxxvi, column 2, entry for **Hexahydro-1,3,5-trinitro-1,3,5-triazine,** line 2, *for* octahydro-1,3,5,7-tetrazocine, *read* octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine,
Index, p. ccxxxvi, column 1, entry for **Lead(II) oxide,** line 1, *for* Fe_2Of, *read* Fe_2O_3,

Index, p. ccxlvii, column 2, line 4, *for* **Octahydro-1,3,5,7-tetranitro-1,2,4,5-tetrazocine,** *read* **Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine,**
Index, p. cclvii, column 1, entry for **Poly(ε-caprolactam),** line 2, *insert a comma after* in
Index, p. cclix, column 2, *transpose lines* 2 *and* 3
Index, p. cclxxv, column 2, entry for **Sulphonyl chloride,** *for* $(SO_2Cl_2)_2$ *read* (SO_2Cl_2)
Index, p. cclxxx, column 1, entry for **Tin,** line 35, *insert* soln. *after* HBr

Abstract No.	*Line*	
548	1	*insert* **Specific and sensitive reactions with the aid of montmorillonite. I.** *before* **Intensification**
798	2, 3	*for* **octahydro-1,3,5,7-tetranitro-1,2,4,5-tetrazocine** *read* **octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine**
2265	2	*for* Y. Arad, *read* Y. Arad-Talmi,
2978	3	*for* S. J. La Mancusa *read* S. J. LaMancusa
3006	2	*for* E. Demetrescu, *read* E. Dumitrescu,
4128	2	*for* M. Brandstätter-Kuhnert *read* M. Kuhnert-Brandstätter
6408	3	*for* S. A. Khamid *read* S. A. Hamid

Appropriate modifications should be made to the Author Index, Vol. 12, 1965.

VOL. 13, 1966

Abstract No.	*Line*	
245	7	*for* SE 2 *read* SE 22
277	3	*for* M. Talpová *read* H. Talpová
359	14	*for* specific surface area (of *read* (specific surface area of
420	21	*for* 40% *read* >40%
442	24	*insert a semicolon after* once
450	8	*for* separa *read* separated
513	46	column 2, *for* P. D. Dlein, *read* P. D. Klein
546	3	*for* **coppers melting.** *read* **copper smelting.**
710	3	*for* J. Zapi *read* J. Zapf
783	3	*for* V. Gădeva *read* V. Gŭdeva
878	6	*delete complete line*
878	8	*insert* anhydride added. [The exact composition is not *after* with acetic
977	2	*for* [**irones**[*read* [**irones**]
977	4	*after* Utrecht, *insert* Netherlands). *Analyst, Lond.*, 1964, **89**, 681–682.—
1108	3	*for* J. Tadaton *read* J. Tadayon
1219	20	*for* 10^{-5}, *read* 10^{-4},
1257	1	*for* **partition** *read* **precipitation**
1356	2	*for* C. Giannoti *read* C. Giannotti
1356	13	*for* or *read* of
1358	17	*delete complete line*
1524	2	*for* B. Sedlachek. *read* B. A. J. Sedláček.
1539	2	*for* G. Volenterio *read* G. Volonterio
1671	16	*after* On Chelex 100, *insert* Ca,
1843	19	*delete complete line*
1990	7	for *Tricitum* read *Triticum*
2005	6	*for* 1964, **11**, *read* 1965, **12**,
2052	2	*for* Chiung-Huei Ke *read* Chung-Hui K'o
2052	3	*for* Hwa-Sheng Cheng *read* Hua-Sheng Cheng
2153	13	*for* Re_3O_7 *read* Re_2O_7
2219	2	*for* E. Julve. *read* E. Julve Salvado.
2233	11	*for* 10^{-8} g *read* 10^{-9} g
2233	12	*for* 10^{-9} g *read* 10^{-7} g
2283	2, 3	*for* K. Bashkara Rao *read* K. Bhaskara Rao
2334	3	*for* K. Bashkara Rao *read* K. Bhaskara Rao
2414	18	for *Analyst.* read *Analyt.*
2454	8	*for* 3·6 *read* 3·6 g
2469	6	*for* 33–44. *read* 33–34.
2483	20	*insert* The *before* sample soln. *The abstract after abstract* 2491 *should be numbered* 2492, *not* 2942
2617	4	*for* E. Tyhák *read* E. Tyihák
2644	3	*for* Trade *read* Trace
2681	2	*for* **weight - volume** *read* **weight in volume**
2690	6	*for* behenolic] docos-13-ynoic)] *read* behenolic (docos-13-ynoic)]
2697	11	for *Ibid.*, read *Analyt. Abstr.*,
2720	8	*for* Dporek, *read* Sporek,
2780	2, 3	*for* C. D. Millar *read* C. D. Miller
2846	3	*for* Mlle Occhminuti *read* E. Occhiminuti
2942	18	*for* $\not<2 \times 10^{-3}$ % *read* $\not<2 \times 10^{-5}$ %

Abstract No.	*Line*	
3047	10, 11	*for* indocyamine *read* indocyanine
3111	6	*insert* 4- *before* bromoaniline
3138	18	*insert* with *after* eluted
3142	6	*insert* anisindione *after* determining
3164	1	*for* **cyanocobalamin** *read* **cobalamin**
3202	8	*for* oleic cid *read* oleic acid
3232	7	*for* chlolecalciferol *read* cholecalciferol
3237	25	*insert* of vol. *after* sample
3410	1	*before* **Spectrophotometric** *insert* **Purification of potassium chloride. I.**
3475	17	*for* 5·g *read* 5-g
3606	2	*for* **boron hydride** *read* **borane-type**
3620	6	*for* containing *read* equivalent to
3662	15	*for* methcarylates, *read* methacrylates,
3786	15	*for* hexostrol *read* hexoestrol
3848	16	*for* SO_2 sample (10-litre) *read* SO_2 (10-litre sample)
3926	1	*for* **acids** *read* **acid**
3971	3	*for* SCA *read* SAC
4129	3	*for* H. Püschel *read* R. Püschel
4163	5	*for* Salicylolhydrazide *read* Salicylohydrazide
4285	9	*for* $CaSO^2.0{\cdot}5H_2O$ *read* $CaSO_4.0{\cdot}5H_2O$
4295	8	*replace the comma after* $(NH_4)_6Mo_7O_{24}$ *by a semicolon*
4551	7	*insert* were *before* introduced
4652	3	*for* H. C. K. Schwabe *read* K. Schwabe
4718	3	for *Grudy* read *Trudy*
4781	14	*for* pG *read* pH
5041	2	*for* 3–7. *read* 445–449.
5107	2	*this line should read* **related pregnan-20-one derivatives by gas - liquid**
5125	15	*for* 1 metre *read* 2 metres
5216	2	*for* E. Spacu, *read* P. Spacu,
5224	2	*delete* **to**
5414	7	*for* 2,7- *read* 3,6-
5423	10	*insert* sample *after* the
5608	1	*for* **dithiodimalic** *read* **2,2′-dithiodisuccinic**
5608	4	*for* dithiodimalic *read* 2,2′-dithiodisuccinic
5609	3	*for* Szeczecin, *read* Szczecin,
5611	16	*for* of 10% of *read* or 10% of
5876		*The abstractor's name is* A. A. ELDRIDGE
5880	10, 11	*for* chloromethylsilane *read* chlorotrimethylsilane
5990	10	*for* fieed *read* fitted
6057	2	*delete* **non-isotopic**
6062	4	for *Studii* read *Studia*
6173	4	*replace the full point after* Akhmetshin *by a parenthesis*
6255	17	*delete complete line*
6383	4	*for* T. D. Bol'shakov. *read* T. D. Bol'shakova.
6713	4	*for* Bartolome, Univ. *read* Bartolome (Univ.
6777	8	*for* into *read* with
6830	3	*for* are *read* and
6959	2, 3	*for* N. A. Stansbury, jun. *read* H. A. Stansbury, jun.
7155	6	*for* silver-110, *read* silver-110;

Cross-references after abstract 1877, line 6. *For* triphenylamines *read* triphenylmethanes
Cross-references after abstract 2742, line 2. *For* ureas *read* urease
Cross-references after abstract 4418, line 6. *For* **4614** *read* **4616**
Cross-references after abstract 4655, line 12. *For* Pi^{II}. *read* Pd^{II}.
Cross-references after abstract 4655, line 13. *For* OS. *read* Os.

JOURNALS

The following list contains the names of journals (and their abbreviations) from which papers have been abstracted regularly during the year. Journals that have been omitted are those that contain only an occasional analytical paper, and a number of Russian journals from which translated abstracts have been published through the medium of *Referativnyĭ Zhurnal*.

Acta chem. fenn.	Acta Chemica Fennica
Acta chem. scand.	Acta Chemica Scandinavica
Acta chim. hung.	Acta Chimica Academiae Scientiarum Hungaricae
Acta chim. sin.	Acta Chimica Sinica
Acta pharmac. tox.	Acta Pharmacologica et Toxicologica [Copenhagen]
Acta pharm. hung.	Acta Pharmaceutica Hungarica
Acta pharm. jugosl.	Acta Pharmaceutica Jugoslavica
Acta pharm. suec.	Acta Pharmaceutica Suecica
Acta pol. pharm.	Acta Poloniae Pharmaceutica
Afinidad	Afinidad
Agric. biol. Chem.	Agricultural and Biological Chemistry [Tokyo]
Am. Dyestuff Reptr.	American Dyestuff Reporter
Am. ind. Hyg. Ass. J.	American Industrial Hygiene Association Journal
Am. J. clin. Path.	American Journal of Clinical Pathology
Am. Miner.	American Mineralogist
Anal. ştiinţ. Univ. Al. I. Cuza, Sect. 1	Analele Ştiinţifice de Universităţii 'Al. I. Cuza' din Iaşi, Section 1
Anal. Univ. Buc., Ser. Ştiint. nat. Chim.	Analele Universităţii Bucureşti, Seria Ştiintelor naturii Chimie
Analyst, Lond.	Analyst
Analyt. Biochem.	Analytical Biochemistry
Analyt. Chem.	Analytical Chemistry
Analytica chim. Acta	Analytica Chimica Acta
Analyzer	Analyzer
An. Asoc. quím. argent.	Anales de la Asociación Química Argentina
An. Bromat.	Anales de Bromatologia
An. Farm. hosp.	Anales de Farmacía Hospitalaria
Angew. Chem., int. Edn	Angewandte Chemie, International Edition
Annali Chim.	Annali di Chimica
Annls Falsif. Experl. chim.	Annales des Falsifications et de l'Expertise Chimique
Annls pharm. fr.	Annales Pharmaceutiques Françaises
An. R. Soc. esp. Fís. Quím., B	Anales de la Real Sociedad Española de Física y Química, Serie B
Antibiotiki	Antibiotiki [Moscow]
Appl. Optics	Applied Optics
Appl. Spectrosc.	Applied Spectroscopy
Arch. EisenhüttWes.	Archiv für das Eisenhüttenwesen
Arch. Pharm., Berl.	Archiv der Pharmazie (und Berichte der Deutschen pharmazeutischen Gesellschaft)
Archs pract. Pharm.	Archives of Practical Pharmacy
Arzneimittel-Forsch.	Arzneimittel-Forschung
Atomn. Énerg.	Atomnaya Énergiya [Moscow]
Atompraxis	Atompraxis
B.C.I.R.A. Jl	B.C.I.R.A. Journal [British Cast Iron Research Association Journal]
Beitr. Tabakforsch.	Beiträge zur Tabakforschung
Biochem. biophys. Res. Commun.	Biochemical and Biophysical Research Communications
Biochem. J.	Biochemical Journal
Biochim. appl.	Biochimica Applicata
Biochim. biophys. Acta	Biochimica et Biophysica Acta
Biokhimiya	Biokhimiya [Leningrad, Moscow]
Boll. chim.-farm.	Bollettino Chimico Farmaceutico
Boll. Laboratori chim. prov.	Bollettino dei Laboratori Chimici Provinciali
Boll. Soc. ital. Biol. sper.	Bollettino della Società Italiana di Biologia Sperimentale
Brauwissenschaft	Brauwissenschaft
Brennst.-Chem.	Brennstoff-Chemie
Br. J. appl. Phys.	British Journal of Applied Physics
Br. med. J.	British Medical Journal
Br. Plast.	British Plastics
Bul. Inst. politeh. Buc.	Buletinul Institutuli politehnic Bucureşti
Bull. Acad. pol. Sci. Sér. Sci. chim.	Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Chimiques
Bull. chem. Soc. Japan	Bulletin of the Chemical Society of Japan
Bull. Soc. Chim. biol.	Bulletin de la Société de Chimie Biologique

Bull. Soc. chim. Fr.	Bulletin de la Société Chimique de France
Bull. Socs chim. belg.	Bulletin des Sociétés Chimiques Belges
Can. J. Biochem.	Canadian Journal of Biochemistry
Can. J. Chem.	Canadian Journal of Chemistry
Can. Spectrosc.	Canadian Spectroscopy
Cereal Chem.	Cereal Chemistry
Chem. Bull., Peking	Chemical Bulletin
Chem. Engng News	Chemical and Engineering News
Chemia analit.	Chemia Analityczna
Chemické Listy	Chemické Listy
Chemické Zvesti	Chemické Zvesti
Chemický Prům.	Chemický Průmysl
Chemie-Ingr-Tech.	Chemie-Ingenieur-Technik
Chemikerzeitung—chem. Appar.	Chemikerzeitung—Chemische Apparatur
Chemist Analyst	Chemist-Analyst
Chem. pharm. Bull., Tokyo	Chemical and Pharmaceutical Bulletin
Chem. Tech., Berl.	Chemische Technik
Chem. Weekbl.	Chemisch Weekblad
Chemy Ind.	Chemistry & Industry
Chim. analyt.	Chimie Analytique
Chimia	Chimia [Zürich]
Chimica Ind., Milano	Chimica e l'Industria
Clin. Chem.	Clinical Chemistry
Clinica chim. Acta	Clinica Chimica Acta
Colln Czech. chem. Commun.	Collection of Czechoslovak Chemical Communications
C. R. Acad. bulg. Sci.	Compte Rendu de l'Académie Bulgare des Sciences
C. R. hebd. Séanc. Acad. Agric. Fr.	Compte Rendu Hebdomadaire des Séances de l'Académie d'Agriculture de France
Croat. chem. Acta	Croatica Chemica Acta
Čslká Farm.	Československá Farmacie
Curr. Sci.	Current Science
Dansk Tidsskr. Farm.	Dansk Tidsskrift for Farmaci
Diss. Abstr.	Dissertation Abstracts
Dissnes pharm., Warsz.	Dissertationes Pharmaceuticae
Dokl. Akad. Nauk SSSR	Dokladỹ Akademii Nauk SSSR
Dokl. Akad. Nauk uzbek. SSR	Dokladỹ Akademii Nauk Uzbekskoĭ SSR
Dt. ApothZtg	Deutsche Apotheker-Zeitung
Dt. LebensmittRdsch.	Deutsche Lebensmittel-Rundschau
Econ. Geol.	Economic Geology
Enzymologia	Enzymologia
Erdöl Kohle	Erdöl und Kohle, Erdgas, Petrochemie
Ernährungsforschung	Ernährungsforschung
Experientia	Experientia
Farmacja pol.	Farmacja Polska
Farmaco, Ed. prat.	Farmaco, Edizione Pratica
Farmaco, Ed. scient.	Farmaco, Edizione Scientifica
Farm. Obzor	Farmaceuticky Obzor
Faserforsch. TextTech.	Faserforschung und Textiltechnik
Fette Seifen AnstrMittel	Fette, Seifen, Anstrichmittel
Fuel, Lond.	Fuel
Geochim. cosmochim. Acta	Geochimica et Cosmochimica Acta [London]
Geokhimiya	Geokhimiya [Moscow]
Gig. Sanit.	Gigiena i Sanitariya [Leningrad]
G-I-T	Glas-Instrumenten-Technik
Grasas Aceit.	Grasas y Aceites
Helv. chim. Acta	Helvetica Chimica Acta
Hilger J.	Hilger Journal
Hlth Phys.	Health Physics
Hoppe-Seyler's Z. physiol. Chem.	Hoppe-Seyler's Zeitschrift für physiologische Chemie
Hutn. Listy	Hutnické Listy
Indian J. appl. Chem.	Indian Journal of Applied Chemistry
Indian J. Biochem.	Indian Journal of Biochemistry
Indian J. Chem.	Indian Journal of Chemistry
Indian J. Pharm.	Indian Journal of Pharmacy
Indian J. Technol.	Indian Journal of Technology
Infción Quím. analít. pura apl. Ind.	Información de Química Analítica, Pura y Aplicada a la Industria
Instrums Control Syst.	Instruments & Control Systems

Int. J. appl. Radiat. Isotopes	International Journal of Applied Radiation and Isotopes
Int. Sug. J.	International Sugar Journal
Israel J. Chem.	Israel Journal of Chemistry
Ital. J. Biochem.	Italian Journal of Biochemistry
Izv. Akad. Nauk armyan. SSR, Ser. khim. Nauk	Izvestiya Akademii Nauk Armyanskoĭ SSR, Seriya Khimicheskikh Nauk
Izv. Akad. Nauk SSSR, Ser. khim.	Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya
Izv. sib. Otdel. Akad. Nauk SSSR	Izvestiya Sibirskogo Otdeleniya Akademii Nauk SSSR
Izv. tomsk. politekh. Inst.	Izvestiya Tomskogo Politekhnicheskogo Instituta imeni S. M. Kirova
Izv. vŷssh. ucheb. Zaved. Khim. khim. Tekhnol.	Izvestiya Vŷsshikh Uchebnŷkh Zavedeniĭ, Khimiya i Khimicheskaya Tekhnologiya
J. agric. Chem. Soc. Japan	Journal of the Agricultural Chemical Society of Japan
J. agric. Fd Chem.	Journal of Agricultural and Food Chemistry
J. Am. Oil Chem. Soc.	Journal of the American Oil Chemists' Society
J. Am. Wat. Wks Ass.	Journal of the American Water Works Association
Japan Analyst	Japan Analyst
J. appl. Chem., Lond.	Journal of Applied Chemistry
J. Ass. off. agric. Chem.	Journal of the Association of Official Agricultural Chemists
J. Ass. publ. Analysts	Journal of the Association of Public Analysts
J. biol. Chem.	Journal of Biological Chemistry
J. chem. Educ.	Journal of Chemical Education
J. chem. Soc.	Journal of the Chemical Society [London]
J. chem. Soc. Japan, ind. Chem. Sect.	Journal of the Chemical Society of Japan, Industrial Chemistry Section
J. chem. Soc. Japan, Pure Chem. Sect.	Journal of the Chemical Society of Japan, Pure Chemistry Section
J. Chin. chem. Soc., Taipei	Journal of the Chinese Chemical Society
J. Chromat.	Journal of Chromatography
J. clin. Path.	Journal of Clinical Pathology
J. Dairy Res.	Journal of Dairy Research
J. Dairy Sci.	Journal of Dairy Science
J. electroanalyt. Chem.	Journal of Electroanalytical Chemistry
J. electrochem. Soc.	Journal of the Electrochemical Society [New York]
Jena Rev.	Jena Review
J. Endocr.	Journal of Endocrinology
J. forens. Sci.	Journal of Forensic Sciences [Mundelein, U.S.A.]
J. forens. Sci. Soc.	Journal of the Forensic Science Society [Harrogate, U.K.]
J. Gas Chromat.	Journal of Gas Chromatography
J. Indian chem. Soc.	Journal of the Indian Chemical Society
J. Inst. Brew.	Journal of the Institute of Brewing
J. Inst. Fuel	Journal of the Institute of Fuel
J. Inst. Petrol.	Journal of the Institute of Petroleum
J. Iron Steel Inst.	Journal of the Iron and Steel Institute
J. Korean chem. Soc.	Journal of the Korean Chemical Society
J. Lab. clin. Med.	Journal of Laboratory and Clinical Medicine
J. Lipid Res.	Journal of Lipid Research
Jl S. Afr. chem. Inst.	Journal of the South African Chemical Institute
J. Oil Colour chem. Ass.	Journal of the Oil and Colour Chemists' Association
J. opt. Soc. Am.	Journal of the Optical Society of America
J. org. Chem.	Journal of Organic Chemistry
J. Pharm. Belg.	Journal de Pharmacie de Belgique
J. Pharm. Pharmac.	Journal of Pharmacy and Pharmacology
J. pharm. Sci.	Journal of Pharmaceutical Science
J. pharm. Soc. Japan	Journal of the Pharmaceutical Society of Japan
J. polarogr. Soc.	Journal of the Polarographic Society
J. prakt. Chem.	Journal für praktische Chemie
J. Proc. Instn Chem. India	Journal and Proceedings of the Institution of Chemists, India
J. Res. natn. Bur. Stand.	Journal of Research of the National Bureau of Standards
J. scient. Instrum.	Journal of Scientific Instruments
J. Sci. Fd Agric.	Journal of the Science of Food and Agriculture
J. Soc. cosmet. Chem.	Journal of the Society of Cosmetic Chemists
J. Wat. Pollut. Control Fed.	Journal of the Water Pollution Control Federation
Kemija Ind.	Kemija u Industriji
Kernenergie	Kernenergie
Khimiya Tekhnol. Topl. Masel	Khimiya i Tekhnologiya Topliva i Masel [Moscow]
Klin. Wschr.	Klinische Wochenschrift
Kumamoto pharm. Bull.	Kumamoto Pharmaceutical Bulletin
Lab. Delo	Laboratornoe Delo [Moscow]
Lab. Pract.	Laboratory Practice
Lancet	Lancet

Magy. kém. Foly.	Magyar Kémiai Folyóirat
Magy. Kém. Lap.	Magyar Kémikusok Lapja
Mater. Res. Stand.	Materials Research and Standards
Meddr norsk farm. Selsk.	Meddelelser fra Norsk Farmaceutisk Selskap
Medskaya Prom. SSSR	Meditsinskaya Promȳshlennost' SSSR
Méml Poud.	Mémorial des Poudres
Metallurgia	Metallurgia [Manchester, U.K.]
Metallurgia ital.	Metallurgia Italiana
Mfg Chem.	Manufacturing Chemist
Mh. Chem.	Monatshefte für Chemie und verwandte Teile anderer Wissenschaften
Microchem. J.	Microchemical Journal
Mikrochim. ichnoanalyt. Acta	Mikrochimica et Ichnoanalytica Acta
Misc. Publs Bur. Stand.	Miscellaneous Publications. Bureau of Standards
Mitt. Geb. Lebensmittelunters. u. Hyg.	Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und Hygiene
Mitt. höh. Bundeslehr- u. VersAnst. Wein-Obst- u. Gartenb., Rebe Wein	Mitteilungen der Höheren Bundeslehr- und Versuchsanstalten für Wein-, Obst- und Gartenbau, Wien-Klosterneuberg und für Beinenkunde, Wien-Grinzing. Rebe und Wein
Mschr. Brau.	Monatsschrift für Brauerei
Nahrung	Nahrung
Nature, Lond.	Nature
Naturwissenschaften	Naturwissenschaften
Nauch. Trudȳ tashkent. Univ.	Nauchnȳe Trudȳ Tashkentskogo Universiteta
Ned. Melk- en Zuiveltijdschr.	Nederlandsch Melk- en Zuiveltijdschrift
Neftekhimiya	Neftekhimiya [Moscow]
Neue Hütte	Neue Hütte
Nippon Kink. Gakk.	Nippon Kinkozu Gakkai-shi
N.Z. Jl Sci.	New Zealand Journal of Science
Off. Dig., J. Paint Technol. Engng	Official Digest, Journal of Paint Technology and Engineering
Optics Spectrosc. [Optika Spektrosk.]	Optics and Spectroscopy [English translation of Optika i Spektroskopiya]
Öst. ChemZtg	Österreichische Chemiker-Zeitung
Pakist. J. scient. ind. Res.	Pakistan Journal of Scientific and Industrial Research
Path. Biol., Paris	Pathologie et Biologie
Perfum. essent. Oil Rec.	Perfumery and Essential Oil Record
Pharm. Acta Helv.	Pharmaceutica Acta Helvetiae
Pharmazie	Pharmazie
Pharm. Weekbl. Ned.	Pharmaceutisch Weekblad voor Nederland
Pharm. Zentralhalle Dtl.	Pharmazeutische Zentralhalle für Deutschland
Plaste Kautsch.	Plaste und Kautschuk
Plast. Massȳ	Plasticheskie Massȳ [Leningrad]
Plating	Plating
Pochvovedenie	Pochvovedenie [Leningrad]
Pracovní Lék.	Pracovní Lekařství
Pr. Instw Hutn.	Prace Instytutów Ministerstwa Hutnictwa
Proc. Am. Soc. Brew. Chem.	Proceedings of the American Society of Brewing Chemists
Proc. Can. Soc. forens. Sci.	Proceedings of the Canadian Society of Forensic Science
Proc. Indian Acad. Sci., A	Proceedings of the Indian Academy of Sciences, Section A
Proc. Soc. exp. Biol. Med.	Proceedings of the Society for Experimental Biology and Medicine
Prof. Pap. U.S. geol. Surv.	Professional Papers. United States Geological Survey
Prům. Potravin	Průmysl Potravin [Prague]
Pure appl. Chem.	Pure and Applied Chemistry
Publnes Inst. Invest. microquím., Univ. nac. Litoral	Publicaciones. Instituto de Investigación de microquímica, Universidad nacional Litoral
Radiochim. Acta	Radiochimica Acta
Radiokhimiya	Radiokhimiya [Moscow]
Rapp. CEA	Rapport. Commissariat à l'Énergie Atomique
Rass. chim.	Rassegna Chimica
R & D	Research and Development for Industry
Recl Trav. chim. Pays-Bas Belg.	Recueil des Travaux Chimiques des Pays-Bas et de la Belgique
Rep. atom. Energy Can.	Report. Atomic Energy of Canada Limited
Rep. atom. Energy Commn India	Report. Atomic Energy Commission, India
Rep. atom. Energy Commn U.S.	Report. Atomic Energy Commission, United States
Rep. Invest. U.S. Bur. Mines	Report of Investigations. United States Bureau of Mines
Rep. U.K. atom. Energy Auth.	Report. United Kingdom Atomic Energy Authority
Rev. scient. Instrum.	Review of Scientific Instruments
Revta Agroquím. Tecnol. Aliment.	Revista de Agroquímica y Tecnologia de Alimentos
Revta Asoc. bioquím. argent.	Revista de la Asociación Bioquímica Argentina

Revtă Chim.	Revistă de Chimie
Revta port. Quím.	Revista Portuguesa de Química
Revta Univ. ind. Santander	Revista de la Universidad de la Industrial de Santander
Revue roum. Chim.	Revue Roumaine de Chimie
Ricerca scient. Rc., A	Ricerca Scientifica, Rendiconte, Section A
Riechstoffe Arom. Körperpflegemittel	Riechstoffe, Aromen, Körperflegemittel
Riv. ital. Sostanze grasse	Rivista Italiana delle Sostanze Grasse
Roczn. Chem.	Roczniki Chemii
Roczn. państ. Zakł. Hig.	Rocznik Państwowego Zakładu Higieny
Rudy	Rudy [Prague]
S. Afr. J. agric. Sci.	South African Journal of Agricultural Science
Sb. Trud. tsent. nauchno-issled. Inst. chern. Metall.	Sbornik Trudov, Tsentral'nogo Nauchno-Issledovatel'skogo Instituta Chernoĭ Metallurgii
Scand. J. clin. Lab. Invest.	Scandinavian Journal of Clinical & Laboratory Investigation
Science, N.Y.	Science
Scientia pharm.	Scientia Pharmaceutica [Vienna]
Sci. Tools	Science Tools
Soap chem. Spec.	Soap and Chemical Specialties
Spectrochim. Acta	Spectrochimica Acta
Stärke	Stärke
Steroids	Steroids
Studia Univ. Babeş-Bolyai	Studia Universitatis Babeş-Bolyai
Studii Cerc. Chim.	Studii şi Cercetări de Chimie
Studii Cerc. Fiz.	Studii şi Cercetări de Fizică
Svensk PappTidn.	Svensk Papperstidning
Talanta	Talanta
TAPPI	Journal of the Technical Association of the Pulp and Paper Industry
Technology, Sindri	Technology
Tech. Zpravodaj V.Ú.Ž.D.H.	Technický Zpravodaj Výzkumný Ústav Železaruduých Dolů a Hrudkoven
Trans. Br. ceram. Soc.	Transactions of the British Ceramic Society
Trans. Instn Min. Metall.	Transactions of the Institution of Mining and Metallurgy
Trav. Soc. Pharm. Montpellier	Travaux de la Société de Pharmacie de Montpellier
Trib. CEBEDEAU	Tribune du CEBEDEAU [Centre Belge d'Étude et de Documentation des Eaux]
Trudy Akad. Nauk Lit. SSR	Trudy Akademii Nauk Litovskoĭ SSR
Trudy Kom. analit. Khim.	Trudy Komissii po Analiticheskoĭ Khimii
Trudy tomsk. gos. Univ.	Trudy Tomskogo Gosudarstvennogo Universiteta
Trudy ural'. nauchno-issled. khim. Inst.	Trudy Ural'skogo Nauchno-Issledovatel'skogo Khimicheskogo Instituta
Uchen. Zap. azerb. gos. Univ., Ser. khim. Nauk	Uchenye Zapiski Azerbaĭdzhanskogo Gosudarstvennogo Universiteta, Seriya Khimicheskikh Nauk
Uchen. Zap. perm. gos. Univ. Gosudarstvennogo	Uchenyē Zapiski Permskogo Universiteta
Ukr. biokhim. Zh.	Ukrainskiĭ Biokhimicheskiĭ Zhurnal
Ukr. khim. Zh.	Ukrainskiĭ Khimicheskiĭ Zhurnal
Vest. leningr. gos. Univ., Ser. Fiz. Khim.	Vestnik Leningradskogo Gosudarstvennogo Universiteta, Seriya Fiziki i Khimii
Vest. mosk. gos. Univ., Ser. khim.	Vestnik Moskovskogo Gosudarstvennogo Universiteta, Seriya Khimiya
Vop. med. Khim.	Voprosy Meditsinskoĭ Khimii
Wat. Sewage Wks	Water & Sewage Works
Wiss. Z. tech. Hochsch. Chem. Leuna-Merseb.	Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie, Leuna-Merseburg
Z. analyt. Chem.	Zeitschrift für analytische Chemie
Z. anorg. allg. Chem.	Zeitschrift für anorganische und allgemeine Chemie
Zav. Lab.	Zavodskaya Laboratoriya [Moscow]
Z. Chemie, Lpz.	Zeitschrift für Chemie
Zh. analit. Khim.	Zhurnal Analiticheskoĭ Khimii [Moscow]
Zh. neorg. Khim.	Zhurnal Neorganicheskoĭ Khimii [Moscow]
Zh. prikl. Khim., Leningr.	Zhurnal Prikladnoĭ Khimii
Zh. prikl. Spektrosk.	Zhurnal Prikladnoĭ Spektroskopii
Zh. vses. khim. Obshch.	Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva
Z. Lebensmittelunters. u. Forsch.	Zeitschrift für Lebensmittel-Untersuchung und -Forschung
Z. Naturf., B	Zeitschrift für Naturforschung, B
Z. PflErnähr. Düng. Bodenk.	Zeitschrift für Pflanzenernährung und Düngung (und Bodenkunde)

ACKNOWLEDGEMENTS

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INDEX TO SUBJECTS

A number of unambiguous abbreviations not included in the list on p. cccxxvii have been used.

Except in the section **Reagents, organic,** and in the list of reagents under specific elements, organic compounds are indexed under the name of the parent compound, *e.g.*, **Chloroacetic acid** becomes **Acetic acid, chloro-.** Numerous cross-references have been included to assist the reader.

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LIST OF PATENTS ABSTRACTED

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1,001,234	495	1,016,784	3277	1,017,940	4537	1,027,826	6037
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Czechoslovakian Patent

Patent No.	*Abstr. No.*
112,984	1001

ABBREVIATIONS

Certain abbreviations in everyday use are not included in the following list. When any doubt might arise from the use of an abbreviation or symbol the word is printed in full.

alternating current	a.c.
ampere	amp.
Ångström unit	Å
approximate,-ly	approx.
aqueous	aq.
centimetre	cm
Colour Index (2nd Edition)	C.I.
concentrated	conc.
concentration	concn.
cubic	cu.
current density	c.d.
cycles per second	c/s
density, relative	d or wt. per ml
deoxyribonucleic acid	DNA
dihydronicotinamide-adenine dinucleotide	$NADH_2$ (not DPNH)
dilute (as adjective)	dil.
direct current	d.c.
electromotive force	e.m.f.
electron volt	eV
ethylenediaminetetra-acetate	EDTA
gram	g
gram-molecule	mole
half-wave potential	$E_{\frac{1}{2}}$
hour	hr.
infra-red	i.r.
insoluble	insol.
international unit	i.u.
ionic strength	I
kilogram	kg
kilovolt	kV
kilowatt	kW
maxim-um, -a	max.
microgram	μg (not γ)
microlitre	μl
micromole	μmole
micron	μ
milliampere	mA
millicurie	mC
milli-equivalent	milli-equiv.
milligram	mg
millilitre	ml
millimetre	mm
millimicrogram	mμg
millimolar	mM
millivolt	mV
minute (time)	min.
molar (concentration)	M
molecul-e, -ar	mol.
nicotinamide-adenine dinucleotide	NAD (not DPN)
nicotinamide-adenine dinucleotide phosphate	NADP (not TPN)
normal (concentration)	N
optical rotation	α
parts per million	p.p.m.
per cent.	%
per cent. (vol. in vol.)	% (v/v)
per cent. (wt. in vol.)	% (w/v)
per cent. (wt. in wt.)	% (w/w)
potential difference	p.d.
precipitate (as a noun)	ppt.
precipitated	pptd.
precipitating	pptg.
precipitation	pptn.
refractive index	n_λ^t
relative band speed	R_F
revolutions per minute	r.p.m.
ribonucleic acid	RNA
saponification value	sap. val.
saturated calomel electrode	S.C.E.
second (time)	sec.
soluble	sol.
solution	soln.
specific rotation	$[\alpha]_\lambda^t$
square centimetre	sq. cm
standard temp. and pressure	s.t.p.
ultra-violet	u.v.
unit of pressure (mm Hg)	torr
volt	V
volume	vol.
watt	W
weight	wt.

In addition, the following symbols may be used in conjunction with numerical values or in mathematical expressions—

greater than	$>$	less than	$<$
not greater than	$\ngtr$	not less than	$\nless$
is proportional to	$\propto$	of the order of, approximately	$\simeq$

Abbreviations of journal titles used in the abstracts are, in general, those of the 'World List of Scientific Periodicals' (4th edn, 1964, Butterworths, London).

The chemical nomenclature used in the abstracts is that recommended by The Chemical Society ('Handbook for Chemical Society Authors', The Chemical Society, London, 1961), and may differ from that used in the original articles.

When possible, drugs are specified by their official B.P. or B.P.C. names, or by the Approved Names recommended by the British Pharmacopoeia Commission (44 Hallam Street, London, W.1).

The principal Pharmacopoeias are denoted by B.P., U.S.P. or D.A.B., together with the identifying roman numeral or year.

The names given to enzymes are those recommended by the International Union of Biochemistry ('Enzyme Nomenclature', Elsevier Publishing Co., London, 1965).

Pesticides are named in accordance with the British Standard 1831 : 1965, 'Recommended Common Names for Pesticides' (British Standards Institution, 2 Park St., London, W.1).

Printed by W Heffer & Sons Ltd Cambridge England